



# BUILDING DROPS

A Perfect Solution in Every Drop

Certificate of Authorization: 29578

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## Product Evaluation Report *of*

**Continental Glass Systems Inc.**

**Series 2800 Aluminum Lift and Slide Door - SMI**

*for*  
**Florida Product Approval**

**FL# FL17175**

**Report No. 3952**

**Current Florida Building Code**

**Method:** 1 – A (Certificate)  
**Category:** Exterior Doors  
**Sub – Category:** Sliding Exterior Door Assemblies

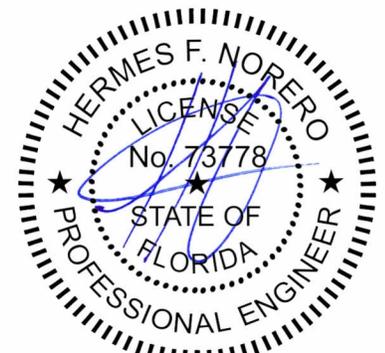
**Product:** *Series 2800 Aluminum Lift and Slide Door - SMI*  
**Material:** Aluminum  
**Product Dimensions:** 200" x 120"  
152" x 132" \*Maximum DLO area of 32.88 ft<sup>2</sup>

**Prepared For:**  
**Continental Glass Systems Inc.**  
325 West 74 Place  
Hialeah, FL 33014

**Prepared by:**  
**Hermes F. Norero, P.E.**  
Florida Professional Engineer # 73778  
Date: 09/03/2015

Contents:

Evaluation Report Pages 1 – 4  
Digitally signed by Hermes F Norero, P.E.  
Reason: I am approving this document  
Date: 2015.09.30 11:28:50 -04'00'



Hermes F. Norero, P.E.  
Florida No. 73778



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**Manufacturer:** Continental Glass Systems Inc.

**Product Category:** Exterior Doors

**Product Sub-Category:** Sliding Exterior Door Assemblies

**Compliance Method:** State Product Approval Method (1)(a)

**Product Name:** Series 2800 Aluminum Lift and Slide Door- SMI  
(Impact)  
200" x 120"  
152" x 132" \*Maximum DLO area of 32.88 ft<sup>2</sup>

**Scope:** This is a Product Evaluation Report issued by Hermes F. Norero, P.E. (FL # 73778) for **Continental Glass Systems Inc.** based on Method 1a of the State of Florida Product Approval, Department of Business and Professional Regulation - Florida Building Commission.

Hermes F. Norero, P.E. does not have nor will acquire financial interest in the company manufacturing or distributing the product or in any other entity involved in the approval process of the product named herein.

This product has been evaluated for use in locations adhering to the current Florida Building Code.

See Installation Instructions **CGS091**, signed and sealed by Hermes F. Norero, P.E. (FL # 73778) for specific use parameters.

## Limits of Use:

1. This product has been evaluated and is in compliance with the current Florida Building Code, including the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment into substrate material shall be beyond wall dressing or stucco.
3. When used in areas requiring wind borne debris protection this product complies with Chapter 16 of the current Florida Building Code and does not require an impact resistant covering for installations 30 feet or greater above grade.
4. Site conditions that deviate from the details of drawing **CGS091** require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions **CGS091** for size and design pressure limitations.

Hermes F. Norero, P.E.

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**Quality Assurance:** The manufacturer has demonstrated compliance of products in accordance with the Florida Building Code for manufacturing under a quality assurance program audited by an approved quality assurance entity through **National Accreditation & Management Institute** (FBC Organization #: QUA1789).

**Performance Standards:** The product described herein has been tested per:

- TAS 201-94
- TAS 202-94
- TAS 203-94

**Referenced Data:**

1. Product Testing performed by **Blackwater Testing Inc.**  
(FBC Organization # TST10394)  
Report #: BT-CON-14-002, Report Date: 06/24/14
2. Certification Agency  
**National Accreditation & Management Institute**  
(FBC Organization #: CER1773)
3. Material Certification  
**Miami-Dade County RER-Product Control Section NOA**  
SentryGlas Interlayer by E.I. DuPont De Nemours & Co., Inc.



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**Installation:** 1. Approved anchor types and substrates are as follows:

**Through Frame Installation:**

- A. For wood substrates use **(1) #14 Wood Screw** type anchor per location of sufficient length to achieve a minimum embedment of 1.50" into the wood substrate.
- B. For concrete or masonry substrate where one by (1X), non-structural, wood bucking is employed, use **(1) 5/16" diameter Elco UltraCon** concrete screw anchor per location of sufficient length to achieve minimum embedment of 1.75" into concrete or masonry.
- C. For concrete or masonry substrate where wood bucking is NOT employed, use **(1) 5/16" diameter Elco UltraCon** type concrete screw anchors per location of sufficient length to achieve minimum embedment of 1.75" into concrete or masonry.
- D. For steel substrate, use **(1) 1/4" Teks Select Screw** anchor per location of sufficient length to achieve minimum three threads of penetration beyond steel structure.
- E. For aluminum substrate, use **(1) 1/4" Teks Select Screw** anchor per location of sufficient length to achieve minimum three threads of penetration beyond aluminum structure.

Refer to Installation Instructions (**CGS091**) for anchor spacing and more details of the installation requirements.

**Design Pressure:**

DESIGN PRESSURE RATING			
PANEL SIZE	REINFORCEMENT	DESIGN PRESSURE	MISSILE IMPACT RATING
50 5/16" x 120"	ALUMINUM	+120/-150.0 PSF	SMALL MISSILE IMPACT  * FOR INSTALLATIONS 30FT OR ABOVE ONLY
	ALUMINUM	+120/-150.0 PSF	
	NONE	+/-120.0 PSF	
50" x 132"	ALUMINUM	+/-150.0 PSF	